

ABSTRACT OF THE DISCLOSURE

A multiple-speed transmission for use in an automotive
5 vehicle driveline includes a torque converter, three simple
planetary gear units, or two simple planetary gear units and a
compound planetary gear unit, friction clutches and brakes,
and an optional one-way coupling. The engaged and disengaged
10 states of the friction elements permit the transmission to
produce several underdrive speed ratios, a direct drive ratio,
and several overdrive speed ratios.